

8th Grade Math Sequence 2015-2016

Unit	Time Line	Modules & Standards	Assessments & Tasks
Boot Camp <ul style="list-style-type: none"> • Order of Operations • Integers • Simplifying/Evaluating Expressions • Fractions 	Sept (2 weeks)		Boot Camp Pre-Test Boot Camp Post-Test
Number Sense <ul style="list-style-type: none"> • Irrational/Rational • Integer Exponents • Scientific Notation 	Sept-Oct (4-5 weeks)	Better Lesson Unit 8.EE.1 8.EE.2 8.EE.3 8.EE.4 8.NS.1 8.NS.2	Number Sense Assessment A Number Sense Assessment B MARS Task: Estimating Length using Scientific Notation Performance Task: "Rabbit Costumes 6th Grade"
Linear Equations <ul style="list-style-type: none"> • Writing & Solving • Graphing • Slope 	Oct-Nov (7-8 weeks)	Module 4 Pattern Tasks 8.EE.5 8.EE.6 8.EE.7 8.EE.8	Linear Equations Assessment A Linear Equations Assessment B Linear Equations Assessment C Performance Tasks: 8th Grade Party and Squares and Circles
Concept of Congruence & Similarity <ul style="list-style-type: none"> • Transformations • Angle Measures 	Dec - Jan (3-4 weeks)	Module 2/Module 3 8.G.1 8.G.2	Congruence and Similarity Assessment A Congruence and Similarity Assessment B

<ul style="list-style-type: none"> • Dilations • Pythagorean Theorem 		8.G.3 8.G.4 8.G.5 8.G.6 8.G.7	Performance Task: 8th Grade Aaron's Designs
Geometry <ul style="list-style-type: none"> • Volume of Cones, Cylinders and Spheres • Pythagorean Theorem 	Jan-Feb (3 weeks)	Module 5/7 8.G.6 8.G.7 8.G.8 8.G.9	Geometry Assessment Performance Task: Grade 8 Rugs
If pressed for time before testing, do the second half of the Linear Functions Module (Scatter plots and Data) prior to the first half			
Linear Functions <ul style="list-style-type: none"> • Definition • Linear vs Nonlinear • Different Representations - (Tables, Graphs, Equations, Words) • Numerical Data - Scatter Plots • Categorical Data 	Feb - Apr (7-8 weeks)	Module 5/6 8.F.1 8.F.2 8.F.3 8.F.4 8.F.5 8.SP.1 8.SP.2 8.SP.3 8.SP.4	Linear Functions Assessment A Linear Functions Assessment B Performance Tasks: 8th Grade House Prices and Vincent's Graphs
SBA Review	April-May (1 week)		